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**From:** Larry Ladd [Ex. 6 Personal Privacy (PP)]  
**Sent:** 5/16/2018 10:09:46 PM  
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**CC:** lladd@sprintmail.com  
**Subject:** Counts per minute

From <https://soeks-usa.com/blogs/radiation/blog-what-is-cpm-in-radiation>

"Once you get your CPM reading from your device, you then need to figure out what that reading means. What are normal radiation levels CPM and what are dangerous ones? If you have your Geiger counter calibrated to Cs137, which most are, 1 milliRad per hour would equate to 1,200 CPM on your counter. At the same time, 1 microSievert per hour would equate to 120 CPM on the reading. These are more universal units of measurement that can help you better understand your radiation exposure. A CPM reading of at least 100 is considered a warning level by the Radiation Network, although the length of time you're exposed to the radiation is an important factor. If you're concerned about staying within safe radiation levels, Ken Jorgustin explains on the Modern Survival Blog that it would take 432 days at a CPM of 100 to up your chance of getting cancer to odds of 1 in 1,000. At higher exposure rates, it would take less time. For instance, it would only take four days to increase your rate to those odds if you're exposed to a level of 10,000 CPM."

That's the opinion of folks <https://soeks-usa.com/> who are marketing detection devices.

The distribution of the Air Dispersion Survey of Area 40 is centered on 25,000 CPM with a tail reaching to 30,000 CPM and a handful of outliers in the 60,000 -- 80,000 range.